



Sheet 1 of 1

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Sheet 1 of 1

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Sheet 3 of 1

FORM PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 36287-03400	SERIAL NO. 10/065,546
<b>INFORMATION DISCLOSURE CITATION</b>  (Use several sheets if necessary)		APPLICANTS			
		Steven Neiman; Roman Sulzhyk		FILING DATE October 29, 2002	

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### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EW	6,301,574	10/9/01	Thomas et al.			
EW	6,400,713	6/4/02	Thomas et al.			
EW	6,401,096	6/4/02	Zellweger			
EW	6,401,117	6/4/02	Narad et al.			
EW	6,405,924	6/18/02	Shah			
EW	6,411,308	6/25/02	Blonstein et al.			
EW	6,411,312	6/25/02	Sheppard			
EW	6,412,699	7/2/02	Russell et al.			
EW	6,414,697	7/2/02	Amro et al.			
EW	6,418,467	7/9/02	Schweitzer et al.			
EW	6,446,070	9/3/02	Arnold et al.			
EW	6,449,253	9/10/02	Ott			
EW	6,449,650	9/10/02	Westfall et al.			
EW	6,453,349	9/17/02	Kano et al.			

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INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)		APPLICANT Steven Neiman et al.	
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## OTHER DOCUMENTS (including author, title, date, pertinent papers etc.)

EW		New Architect Magazine; Lyman, J.; "Girding for the Grid, Distributed Computing's Big Break"; April 2002.
EW		Foster, I.; "1.1 Parallelism and Computing"; 1995
EW		Foster, I.; "1.2 A Parallel Machine Model"; 1995
EW		Foster, I.; "1.3 A Parallel Programming Model"; 1995
EW		Foster, I.; "1.4 Parallel Algorithm Examples"; 1995
EW		Foster, I.; "1.5 Summary"; 1995
EW		Foster, I.; "2 Designing Parallel Algorithms"; 1995
EW		Foster, I.; "2.1 Methodical Design"; 1995
EW		www.IDevResource.com, EJB Transactions and JTS; Raj, G.; "Transactions, 2PC and JTS"; January 2000
EW		www.IDevResource.com, Raj, G.; "EJB Servers"; January 2000
EW		www.IDevResource.com, Raj, G.; "EJB Containers"; January 2000
EW		www.IDevResource.com, Raj, Gopalan Suresh; "EJB Components", January 2000
EW		www.IDevResource.com; Raj, G.; "EJB Session Beans"; January 2000
EW		www.IDevResource.com; Raj, G.; "EJB Entity Beans"; January 2000
EW		www.IDevResource.com; Raj, G.; "EJB Components at the Server"; January 2000
EW		www.IDevResource.com; Raj, G.; "Enterprise Java Beans"; January 2000
EW		Technology Review; Waldrop, M., "Grid Computing"; May 2002
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OTHER DOCUMENTS ( <i>including author, title, date, pertinent papers etc.</i> )						
EW			IEEE; Foster, I., et al.; "Grid Services for Distributed System Integration"; June 2002			
EW			Intl J. Supercomputer Applications; Foster, I., et al., "The Anatomy of a Grid, Enabling Scalable Virtual Organizations"; 2001			
EW			Chervenak, A., et al., "The Data Grid: Towards an Architecture for the Distributed Management and Analysis of Large Scientific Datasets"			
EW			The Grid: Blueprint for a Future Computing Infrastructure, Foster, I., et al., "Computational Grids", 1998			
EW			IEEE, Chervenak, A., et al.; "Giggle: A Framework for Constructing Scalable Replica Location Services"; 2002			
EW			Allcock, B., et al.; "Data Management and Transfer in High Performance Computational Grid Environments"			
EW			Stockiner, H., et al.; "File and Object Replication in Data Grids"			
EW			Ripeanu, M., et al.; "A Decentralized, Adaptive Replica Location Mechanism"			
EW			Vazhkudai, S., et al.; "Using Disk Throughput Data in Predictions of End-to-End Grid Data Transfers"			
EW			GridForum Draft; Allcock, W., et al.; "GridFTP: Protocol Extensions to FTP for the Grid"; April 2002			
EW			GridFTP Update; "GridFTP Update January 2002"; 2002			
EW			Ranganathan, K., et al.; "Decoupling Computation and Data Scheduling in Distributed Data-Intensive Applications"			
EW			Ranganathan, K., et al.; "Improving Data Availability through Dynamic Model-Driven Replication in Large Peer-to-Peer Communities"			
EW			Foster, I., et al.; "Chimera: A Virtual Data System for Representing, Querying, and Automating Data Derivation"			
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EW		IEEE; Annis, J., et al.; "Applying Chimera Virtual Data Concepts to Cluster Finding in the Sloan Sky Survey"; 2002
EW		Ranganathan, K., et al.; "Identifying Dynamic Replication Strategies for High Performance Data Grid"
EW		Iamnitchi, A., et al., "Locating Data in (Small-World?) Peer-to-Peer Scientific Collaborations"
EW		Vazhkudai, S., et al.; "Predicting the Performance of Wide Area Data Transfers"
EW		Allcock, W., et al.; "Globus Toolkit Support for Distributed Data-Intensive Science"
EW		Lee, J., et al.; "Applied Techniques for High Bandwidth Data Transfers Across Wide Area Networks"
EW		Ranganathan, K., et al.; "Design and Evaluation of Dynamic Replication Strategies for a High-Performance Data Grid"
EW		Proc. 10th Intl Symp. on High Performance Distributed Computer; Stockinger, H., et al.; "File and Object Replication in Data Grids"; 2001
EW		Vazhkudai, S., et al.; "Replica Selection in the Globus Data Grid"
EW		Allcock, W., et al.; "Secure, Efficient Data Transport and Replica Management for High-Performance Data-Intensive Computer"
EW		Allcock, W.; "Protocols and Services for Distributed Data-Intensive Science"
EW		Bresnahan, J., et al.; "Communication Services for Advanced Network Applications"
EW		Keahay, K., et al.; "Fine-Grain Authorization Policies in the GRID: Design and Implementation"
EW		JSSPP; Czajkowski, K., et al.; "SNAP: A Protocol for Negotiating Service Level Agreements and Coordinating Research Management Data in Distributed Systems"; 2002
EW		Kennedy, K., et al.; "Toward a Framework for Preparing and Executing Adaptive Grid Programs"
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OTHER DOCUMENTS (*including author, title, date, pertinent papers etc.*)

EW	Liu, C., et al.; "Design and Evaluation of a Resource Selection Framework for Grid Applications"
EW	Iamnitchi, A., et al.; "On Fully Decentralized Resource Discovery in Grid Environments"
EW	Frey, J., et al.; "Condor-G: A Computation Management Agent for Multi-Institutional Grids"
EW	Proc. of the 10th IEEE Symp. on High Performance Distributed Computing; Czajkowski, K., et al.; "Practical Resource Management for Grid-based Visual Exploration"; 2001
EW	Proc. of the 10th IEEE Symp. on High Performance Distributed Computing; Sander, V. et al.; "End-to-End Provision of Policy Information for Network Qos"; August 2001
EW	Iamnitchi, A.; "A Problem Specific Fault-Tolerance Mechanism for Asynchronous, Distributed Systems"
EW	Proc. of the Eighth International Workshop on Quality of Service; Foster, I., et al.; "A Quality of Service Architecture that Combines Resource Reservation and Application Adaption"; June 2000
EW	Sander, V., et al.; "A Differentiated Service Implementation for High-Performance TCP Flows"
EW	Smith, W., et al.; "Scheduling with Advanced Reservations"
EW	Smith, W., et al.; "Using Run-Time Predictions to Estimate Queue Wait Times and Improve Scheduler Performance"
EW	Czajkowski, K., et al.; "Resource Co-Allocation in Computational Grids"
EW	Foster, I., et al.; "End-To-End Quality of Service for High-End Applications"
EW	Hoo, G., et al.; "QoS as Middleware: Bandwidth Reservation System Design"
EW	Lee, C., et al.; "A Network Performance Tool for Grid Environments"
EW	Foster, I., et al., "A Distributed Resource Management Architecture that Supports Advance Reservations and Co-Allocation"
EW	Proc. 10th IEEE International Symposium on High Performance Distributed Computing (HPDC-10); Czajkowski, K., et al.; "Grid Information Services for Distributed Resource Sharing"; 2001
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OTHER DOCUMENTS (*including author, title, date, pertinent papers etc.*)

EW		Welch, V., et al.; "Security for Grid Services"
EW		Keahey, K., et al.; "Fine-Grain Authorization for Resource Management in the Grid Environment"
EW		Pearlman, L., et al.; "A Community Authorization Service for Group Collaboration"
EW		Computer; Butler, R., et al., "A National-Scale Authentication Infrastructure"; 2000
EW		Allcock, W., et al.; "GridMapper: A Tool for Visualizing the Behavior of Large-Scale Distributed Systems"
EW		Foster, I., et al.; "Distance Visualization: Data Exploration on the Grid"
EW		von Laszewski, G., et al.; "Designing Grid-based Problem Solving Environments and Portals"
EW		von Laszewski, G., et al.; "A Java Commodity Grid Kit"; November 2000
EW		von Laszewski, G., et al.; "CoG Kits: A Bridge Between Commodity Distributed Computing and High Performance Grids"
EW		Proceedings of the IEEE/ACM SC2000 Conference; Roy, A., et al.; "MPICH-GQ: Quality-of-Service for Message Passing Programs"; November 2000
EW		Karonis, N., et al.; "Exploiting Hierarchy in Parallel Computer Networks to Optimize Collective Operation Performance"
EW		Foster, I., et al.; "A Grid-Enable MPI: Message Passing in Heterogeneous Distributed Computing Systems"
EW		Foster, I., et al.; "A Secure Communications Infrastructure for High Performance Distributed Computing"
EW		Keahey, K., et al.; "Computational Grids in Action: The National Fusion Collaboratory"
EW		Russell, M., et al.; "The Astrophysics Simulation Collaboratory: A Science Portal Enabling Community Software Development"
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EW			Allen, G., et al., "The Cactus Worm: Experiments with Dynamic Resource Discovery and Allocation in a Grid Environment"
EW			Ripeanu, M., et al.; "Performance Predictions for a Numerical Relativity Package in Grid Environments"
EW			Ripeanu, M., et al.; "Cactus Application: Performance Predictions in Grid Environments"
EW			Russell, M., et al.; "The Astrophysics Simulation Collaboratory: A Science Portal Enabling Community Software Development"
EW			Association for Computing Machinery; Allen, G., et al., "Supporting Efficient Execution in Heterogeneous Distributed Computing Environments with Cactus and Globus"; November 2001
EW			ACM; Allcock, W., et al.; "High-Performance Remote Access to Climate Simulation Data: A Challenge Problem for Data Grid Technologies"; November 2001
EW			Review of Scientific Instruments; Wang, Y.; "A High-throughput X-ray Microtomography System at the Advance Photon Sources"; April 2001
EW			Allen, G., et al.; "Cactus-G: Enabling High-Performance Simulation in Heterogeneous Distributed Computing Environments"; May, 2000
EW			Proceedings of the IEEE Virtual Reality 2000 International Conference; Leigh, J., et al.; "A Review of Tele-Immersive Applications in the CAVE Research Network"; 1999
EW			Benger, W., et al.; "Numerical Relativity in a Distributed Environment"
EW			Barnard, S., et al.; "Large-Scale Distributed Computational Fluid Dynamics on the Information Power Grid using Globus"
EW			Brown, M., et al.; "The International Grid (iGrid): Empowering Global Research Community Network using High Performance International Internet Services"
EW			von Laszewski, G., et al.; "Real-Time Analysis, Visualization, and Steering of Microtomography Experiments at Photon Sources"

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## U.S. PATENT DOCUMENTS

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EW		6,067,633	5/23/2000	Robbins et al.			
EW		6,088,758	7/11/2000	Kaufman et al.			
EW		6,128,709	10/3/2000	Autechaud et al.			
EW		6,202,125	3/13/2001	Patterson et al.			
EW		6,345,294	2/5/2002	O'Toole et al.			
EW		2002/0004917	1/10/2002	Malcolm et al.			
EW		2003/0041280	2/27/2003	Malcolm et al.			
EW		2002/0078299	6/20/2002	Chiou et al.		-	-
EW		2002/0184446	12/5/2002	Kagan et al.			

OTHER DOCUMENTS (*including author, title, date, pertinent papers etc.*)

EW		DeFanti, T., et al.; "Overview of the I-WAY: Wide Area Visual Supercomputing"
EW		Yang, L., et al; "Homeostatic and Tendency-based CPU Load Predictions"
EW		Ripeanu, M. et al.; "Mapping the Gnutella Network: Properties of Large-Scale Peer-to-Peer Systems and Implications for System Designs"
EW		Ripeanu, M., et al.; "Mapping the Gnutella Network: Macroscopic Properties of Large-Scale Peer-to-Peer Systems"
EW		Ripeanu, M.; "Peer-to-Peer Architecture Case Study: Gnutella Network"
EW		Stelling, P., et al.; "A Fault Detection Service for Wide Area Distributed Computations"
EW		Novotny, J., et al.; "An Online Credential Repository for the Grid: My Proxy"
EW		Physics Today; Foster, I., "The Grid: A New Infrastructure for 21st Century Science"; Feb. 2002
EW		Foster, I., et al.; "The Physiology of the Grid"; June 22, 2002
EW		Foster, I.; "What is the Grid? A Three Point Checklist"; July 20, 2002
EW		von Laszewski, G., et al.; "InfoGram: A Grid System that Supports Both Information Queries and Job Execution"; July 2002
EW		Proceedings of HPDC; Vazhkudai, S., et al.; "Predicting Sporadic Grid Data Transfers"; July 2002

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